

**GLS UNIVERSITY**  
**Faculty Of Computer Applications & Information Technology**  
**Integrated MSc(IT)**  
**SEM II**  
**PRACTICALS ON ADVANCE C**  
**Practical Task 6**

1.	Define structure student to store roll no, name, course, gender. Get input from the user and display the same
2.	Define structure employee to store emp id, emp name, emp department, emp designation, get the input from user and display the same
3.	Define structure course to store course no, course name, course description. Get input from user and display the same
4.	Define structure salary to store emp name, basic salary, hra, da, total salary. Get basic salary from user. Calculate hra as 25% and da as 10% of salary and total salary = basic+hra+da and display the same
5.	Define structure student to store roll no, name, course, gender. Get input from the user and display the same for 5 students.
6.	Design a structure named "Car" to store details like car ID, model, and rental rate per day. Write a C program to input data for three cars, calculate the total rental cost for a specified number of days, and display the results.
7.	Define a structure to represent a date. Use your structures that accept two different dates in the format mm dd of the same year. Write a C program to display the month names of both dates.
8.	Define a structure that can describe a Hotel. It should have members that include name, address, grade, room charges, grade and no of rooms. Write a function to print out all hotel details with room charges less than a given value.
9.	Create a structure named Book to store book details like title, author, and price. Write a C program to input details for three books, find the most expensive and the lowest priced books, and display their information.
10.	WAP to create a structure titled Vehicle with Vehicleid, vehicle_brandname, vehicle_price. Enter 10 records for this structure. Pass this structure to a function and display the vehicles having price greater than 25000 .
11.	Define a structure named Circle to represent a circle with a radius. Write a C program to calculate the area and perimeter of two circles and display the results.
12.	WAP to store following details using structure. Name, DOB, Adresse, Contact no for customer. For address and DOB create another structure and use that structure into customer structure.
13.	Define union to store the student data. Get input from user and display the same.
14.	Define the union to store employee data and display the same